

Focus Area 24: Respiratory Diseases

Objective 24-1a targets an overall reduction in the asthma death rate for children under age five years to 1.0 per 1,000,000 population.

California data extracted from the Death Statistical Master Files show an average of 5.8 children under the age of five had asthma listed as an underlying cause of death during five-year period 2000-2004 (Table 24-1a). Reliable asthma death rates could not be calculated for the total population under age five in any single year, nor by gender due to the small number of events. No asthma deaths were reported for the American Indian/Alaska Native, Pacific Islander, and the "Multirace" populations under age five, and the HP2010 objective is being achieved for these groups. In the absence of reliable rates for the remaining racial and ethnic populations, it remains unknown whether this objective is being achieved for them.

Objective 24-1b targets an overall reduction in the asthma death rate for children aged 5-14 years to 1.0 per 1,000,000 population.

California data extracted from the Death Statistical Master Files show a total of 21 children aged 5-14 had asthma listed as the underlying cause of death in 2000, at a rate of 4.0 per 1,000,000 population (Table 24-1b). The HP2010 objective was not being achieved for this age group as of 2000. In 2001 there were nine asthma deaths reported for this age group, ten in 2002 and 2003, and 11 in 2004. Reliable death rates could not be calculated for the total population aged 5-14, nor for any subpopulation by race-ethnicity or by gender due to the small number of events occurring from 2001 through 2004.

For more information on asthma in California, visit the California Asthma Public Health Initiative Web site at:

<http://www.dhs.ca.gov/ps/cdic/cdcb/Medicine/Asthma/index.htm>

For more information on Healthy People 2010 objective 24-1, please visit:

http://www.healthypeople.gov/Document/HTML/Volume2/24Respiratory.htm#_Toc489704825

and

<http://www.healthypeople.gov/Document/html/tracking/od24.htm#asthma>

**Table 24-1a: Asthma Deaths and Death Rates Among Persons Under Age 5
California, 2000-2004**

Asthma Deaths, Persons Under 5*	2000				2001			
	N	Rate ¹	Lower C.I.	Upper C.I.	N	Rate ¹	Lower C.I.	Upper C.I.
Healthy People 2010 Objective 24-1a	1.0				1.0			
Statewide Total	5	DSU	-----	-----	6	DSU	-----	-----
Race-Ethnicity								
African American/Black	3	DSU	-----	-----	1	DSU	-----	-----
American Indian/Alaska Native	0	0.0	-----	-----	0	0.0	-----	-----
Asian	0	0.0	-----	-----	0	0.0	-----	-----
Pacific Islander	0	0.0	-----	-----	0	0.0	-----	-----
Hispanic/Latino	1	DSU	-----	-----	3	DSU	-----	-----
White	1	DSU	-----	-----	2	DSU	-----	-----
Multirace	0	0.0	-----	-----	0	0.0	-----	-----
Gender								
Female	2	DSU	-----	-----	3	DSU	-----	-----
Male	3	DSU	-----	-----	3	DSU	-----	-----

Asthma Deaths, Persons Under 5*	2002				2003			
	N	Rate ¹	Lower C.I.	Upper C.I.	N	Rate ¹	Lower C.I.	Upper C.I.
Healthy People 2010 Objective 24-1a	1.0				1.0			
Statewide Total	5	DSU	-----	-----	7	DSU	-----	-----
Race-Ethnicity								
African American/Black	2	DSU	-----	-----	2	DSU	-----	-----
American Indian/Alaska Native	0	0.0	-----	-----	0	0.0	-----	-----
Asian	1	DSU	-----	-----	1	DSU	-----	-----
Pacific Islander	0	0.0	-----	-----	0	0.0	-----	-----
Hispanic/Latino	1	DSU	-----	-----	3	DSU	-----	-----
White	1	DSU	-----	-----	1	DSU	-----	-----
Multirace	0	0.0	-----	-----	0	0.0	-----	-----
Gender								
Female	1	DSU	-----	-----	2	DSU	-----	-----
Male	4	DSU	-----	-----	5	DSU	-----	-----

Asthma Deaths, Persons Under 5*	2004				5-year Trend	HP2010 Objective Being Achieved?
	N	Rate ¹	Lower C.I.	Upper C.I.		
Healthy People 2010 Objective 24-1a	1.0					
Statewide Total	6	DSU	-----	-----	n/a	Unk
Race-Ethnicity						
African American/Black	2	DSU	-----	-----	n/a	Unk
American Indian/Alaska Native	0	0.0	-----	-----	ns	Yes
Asian	1	DSU	-----	-----	n/a	Unk
Pacific Islander	0	0.0	-----	-----	ns	Yes
Hispanic/Latino	2	DSU	-----	-----	n/a	Unk
White	1	DSU	-----	-----	n/a	Unk
Multirace	0	0.0	-----	-----	ns	Yes
Gender						
Female	1	DSU	-----	-----	n/a	Unk
Male	5	DSU	-----	-----	n/a	Unk

SOURCES: CA Department of Health Services, Death Records, 2000-2004; CA Department of Finance, Demographic Research Unit, Population Projections by Race/Ethnicity for California and Its Counties 2000-2050, May 2004.

NOTES: * Asthma deaths defined by ICD-10 codes J45-J46.

¹ Rate per 1,000,000 population under 5 years of age.

n/a Not applicable (fewer than five data points); ns No statistically significant trend.

**Table 24-1b: Asthma Deaths and Death Rates Among Persons Aged 5-14 Years
California, 2000-2004**

Asthma Deaths, Persons Aged 5-14*	2000				2001			
	N	Rate ¹	Lower C.I.	Upper C.I.	N	Rate ¹	Lower C.I.	Upper C.I.
Healthy People 2010 Objective 24-1b	1.0				1.0			
Statewide Total	21	4.0	2.3	5.6	9	DSU	-----	-----
Race-Ethnicity								
African American/Black	6	DSU	-----	-----	3	DSU	-----	-----
American Indian/Alaska Native	0	0.0	-----	-----	0	0.0	-----	-----
Asian	3	DSU	-----	-----	1	DSU	-----	-----
Pacific Islander	0	0.0	-----	-----	0	0.0	-----	-----
Hispanic/Latino	5	DSU	-----	-----	1	DSU	-----	-----
White	7	DSU	-----	-----	4	DSU	-----	-----
Multirace	0	0.0	-----	-----	0	0.0	-----	-----
Gender								
Female	7	DSU	-----	-----	4	DSU	-----	-----
Male	14	DSU	-----	-----	5	DSU	-----	-----

Asthma Deaths, Persons Aged 5-14*	2002				2003			
	N	Rate ¹	Lower C.I.	Upper C.I.	N	Rate ¹	Lower C.I.	Upper C.I.
Healthy People 2010 Objective 24-1b	1.0				1.0			
Statewide Total	10	DSU	-----	-----	10	DSU	-----	-----
Race-Ethnicity								
African American/Black	7	DSU	-----	-----	3	DSU	-----	-----
American Indian/Alaska Native	0	0.0	-----	-----	0	0.0	-----	-----
Asian	1	DSU	-----	-----	0	0.0	-----	-----
Pacific Islander	0	0.0	-----	-----	1	DSU	-----	-----
Hispanic/Latino	1	DSU	-----	-----	5	DSU	-----	-----
White	1	DSU	-----	-----	1	DSU	-----	-----
Multirace	0	0.0	-----	-----	0	0.0	-----	-----
Gender								
Female	6	DSU	-----	-----	2	DSU	-----	-----
Male	4	DSU	-----	-----	8	DSU	-----	-----

Asthma Deaths, Persons Aged 5-14*	2004				5-year Trend	HP2010 Objective Being Achieved?
	N	Rate ¹	Lower C.I.	Upper C.I.		
Healthy People 2010 Objective 24-1b	1.0					
Statewide Total	11	DSU	-----	-----	n/a	Unk
Race-Ethnicity						
African American/Black	5	DSU	-----	-----	n/a	Unk
American Indian/Alaska Native	0	0.0	-----	-----	ns	Yes
Asian	1	DSU	-----	-----	n/a	Unk
Pacific Islander	0	0.0	-----	-----	n/a	Unk
Hispanic/Latino	3	DSU	-----	-----	n/a	Unk
White	1	DSU	-----	-----	n/a	Unk
Multirace	1	DSU	-----	-----	n/a	Unk
Gender						
Female	4	DSU	-----	-----	n/a	Unk
Male	7	DSU	-----	-----	n/a	Unk

SOURCES: CA Department of Health Services, Death Records, 2000-2004; CA Department of Finance, Demographic Research Unit, Population Projections by Race/Ethnicity for California and Its Counties 2000-2050, May 2004.

NOTES: * Asthma deaths defined by ICD-10 codes J45-J46.

¹ Rate per 1,000,000 population aged 5-14 years.

n/a Not applicable (fewer than five data points); ns No statistically significant trend.

Focus Area 24: Respiratory Diseases

Objective 24-1c targets an overall reduction in the asthma death rate for persons aged 15-34 years to 2.0 per 1,000,000 population.

Asthma death rates among Californians aged 15-34 declined from 4.0 per 1,000,000 population in 2000 to 3.7 per 1,000,000 in 2004, but this was not a statistically significant trend (Figure 24-1c, Table 24-1c). Annual asthma death rates were significantly higher than the HP2010 target, and this objective is not being achieved for the total population as of 2004.

Examined by gender, asthma death rates for males aged 15-34 increased from 4.0 per 1,000,000 in 2000 to 4.9 in 2004. With the exception of instances where zero deaths were reported, only one reliable asthma death rate was found for females: 4.3 per 1,000,000 in 2001. The HP2010 objective is not being achieved for males, and it remains unknown whether it will be achieved for females.

Only one asthma death rate by race/ethnicity was found to be reliable: in 2000 there were 21 deaths among Whites aged 15-34, at a rate of 5.4 per 1,000,000 population. This rate was significantly higher than the HP2010 target of 2.0 per 1,000,000. No asthma deaths were reported for the Pacific Islander and the "Multirace" populations aged 15-34 during the 2000-2004 time period, and the HP2010 objective is being achieved for these groups.

For more information on asthma in California, visit the California Asthma Public Health Initiative Web site at:

<http://www.dhs.ca.gov/ps/cdic/cdcb/Medicine/Asthma/index.htm>

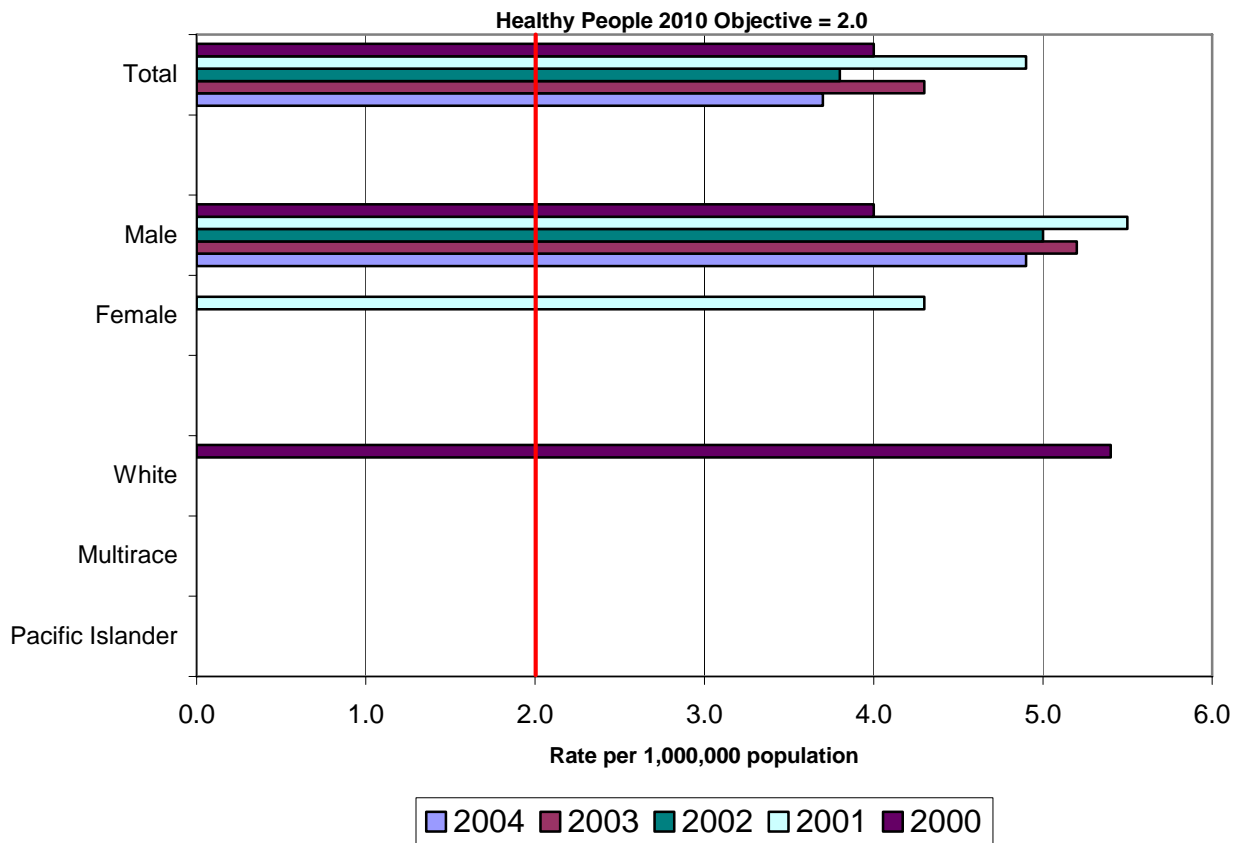
For more information on Healthy People 2010 objective 24-1, please visit:

http://www.healthypeople.gov/Document/HTML/Volume2/24Respiratory.htm#_Toc489704825

and

<http://www.healthypeople.gov/Document/html/tracking/od24.htm#asthma>

**Figure 24-1c
Asthma Death Rates
Among Persons Aged 15-34
California, 2000-2004**



**Table 24-1c: Asthma Deaths and Death Rates Among Persons Aged 15-34 Years
California, 2000-2004**

Asthma Deaths, Persons Aged 15-34*	2000				2001			
	N	Rate ¹	Lower C.I.	Upper C.I.	N	Rate ¹	Lower C.I.	Upper C.I.
Healthy People 2010 Objective 24-1c	2.0				2.0			
Statewide Total	40	4.0	2.7	5.2	50	4.9	3.5	6.2
Race-Ethnicity								
African American/Black	11	DSU	-----	-----	18	DSU	-----	-----
American Indian/Alaska Native	0	0.0	-----	-----	0	0.0	-----	-----
Asian	3	DSU	-----	-----	3	DSU	-----	-----
Pacific Islander	0	0.0	-----	-----	0	0.0	-----	-----
Hispanic/Latino	5	DSU	-----	-----	10	DSU	-----	-----
White	21	5.4	3.1	7.7	19	DSU	-----	-----
Multirace	0	0.0	-----	-----	0	0.0	-----	-----
Gender								
Female	19	DSU	-----	-----	21	4.3	2.4	6.1
Male	21	4.0	2.3	5.7	29	5.5	3.5	7.5

Asthma Deaths, Persons Aged 15-34*	2002				2003			
	N	Rate ¹	Lower C.I.	Upper C.I.	N	Rate ¹	Lower C.I.	Upper C.I.
Healthy People 2010 Objective 24-1c	2.0				2.0			
Statewide Total	39	3.8	2.6	5.0	45	4.3	3.1	5.6
Race-Ethnicity								
African American/Black	10	DSU	-----	-----	17	DSU	-----	-----
American Indian/Alaska Native	1	DSU	-----	-----	1	DSU	-----	-----
Asian	2	DSU	-----	-----	3	DSU	-----	-----
Pacific Islander	0	0.0	-----	-----	0	0.0	-----	-----
Hispanic/Latino	9	DSU	-----	-----	8	DSU	-----	-----
White	17	DSU	-----	-----	15	DSU	-----	-----
Multirace	0	0.0	-----	-----	0	0.0	-----	-----
Gender								
Female	12	DSU	-----	-----	17	DSU	-----	-----
Male	27	5.0	3.1	6.9	28	5.2	3.3	7.1

Asthma Deaths, Persons Aged 15-34*	2004					
	N	Rate ¹	Lower C.I.	Upper C.I.	5-year Trend	HP2010 Objective Being Achieved?
Healthy People 2010 Objective 24-1c	2.0					
Statewide Total	39	3.7	2.5	4.9	ns	No
Race-Ethnicity						
African American/Black	11	DSU	-----	-----	n/a	Unk
American Indian/Alaska Native	1	DSU	-----	-----	n/a	Unk
Asian	2	DSU	-----	-----	n/a	Unk
Pacific Islander	0	0.0	-----	-----	ns	Yes
Hispanic/Latino	13	DSU	-----	-----	n/a	Unk
White	10	DSU	-----	-----	n/a	Unk
Multirace	2	DSU	-----	-----	ns	Yes
Gender						
Female	12	DSU	-----	-----	n/a	Unk
Male	27	4.9	3.1	6.8	ns	No

SOURCES: CA Department of Health Services, Death Records, 2000-2004; CA Department of Finance, Demographic Research Unit, Population Projections by Race/Ethnicity for California and Its Counties 2000-2050, May 2004.

NOTES: * Asthma deaths defined by ICD-10 codes J45-J46.

¹ Rate per 1,000,000 population aged 15-34 years.

ns No significant trend as measured by linear regression analysis; n/a Not applicable (fewer than five data points).